

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--------------------|------------------|---------|------------------|
| L1 | 0 | "2003016390" | US-PGPUB; USPAT | OR | ON | 2007/01/22 09:43 |
| L2 | 1 | "20030016390" | US-PGPUB; USPAT | OR | ON | 2007/01/22 09:43 |
| L3 | 1 | "20030169390" | US-PGPUB; USPAT | OR | ON | 2007/01/22 09:43 |
| S1 | 1 | 10/771445 | US-PGPUB; USPAT | OR | ON | 2005/07/06 15:53 |
| S2 | 6 | moriya-norihisa.in. | US-PGPUB; USPAT | OR | ON | 2005/07/06 15:54 |
| S3 | 8 | (phase adj difference adj control).ti. | US-PGPUB; USPAT | OR | ON | 2005/07/06 15:58 |
| S4 | 425 | negative adj uniaxial | US-PGPUB; USPAT | OR | ON | 2005/07/06 16:08 |
| S5 | 250 | S4 and "349"/\$.ccls. | US-PGPUB; USPAT | OR | ON | 2005/07/06 15:58 |
| S6 | 60 | S5 and polymerizable | US-PGPUB; USPAT | OR | ON | 2005/07/06 15:58 |
| S8 | 24 | S6 and (cholest\$ or chiral) | US-PGPUB; USPAT | OR | ON | 2005/07/06 15:59 |
| S9 | 57 | kashima-keiji.in. | US-PGPUB; USPAT | OR | ON | 2005/07/06 15:59 |
| S10 | 197 | positive adj uniaxial and negative adj uniaxial | US-PGPUB; USPAT | OR | ON | 2005/07/06 16:08 |
| S11 | 156 | S10 and liquid adj crystal | US-PGPUB; USPAT | OR | ON | 2005/07/06 16:08 |
| S12 | 51 | S11 and (cholest\$ chiral) | US-PGPUB; USPAT | OR | ON | 2005/07/06 16:08 |
| S13 | 50 | dai adj nippon.as. | JPO | OR | ON | 2005/07/06 17:25 |
| S14 | 11 | (US-20040119922-\$ or US-20040080693-\$ or US-20030058393-\$ or US-20010048497-\$).did. or (US-6862063-\$ or US-6630973-\$ or US-6512561-\$ or US-5855971-\$ or US-5793455-\$ or US-5568290-\$ or US-5805253-\$).did. | US-PGPUB; USPAT | OR | ON | 2005/07/06 17:29 |
| S15 | 3 | positive adj uniaxial and negative adj uniaxial and liquid adj crystal | US-PGPUB; USPAT | OR | ON | 2005/07/06 17:29 |
| S16 | 156 | positive adj uniaxial and negative adj uniaxial and liquid adj crystal | US-PGPUB; USPAT | OR | ON | 2005/07/06 17:29 |

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|-----|-----|---|--------------------------------------|----|----|------------------|
| S17 | 18 | ("5490006" "5548422" "5570215" "5583677" "5583679" "5638197" "5684548" "5736067" "5737048" "5895106" "5978055" "5986733" "6057901" "6124913" "6292242" "6320628" "6556266" "6806931").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 18:09 |
| S18 | 16 | yoda-eiji.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 18:11 |
| S19 | 8 | ("5196953" "5298199" "5570214" "5627665" "5796456" "5844649" "6061116" "6081311").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 19:52 |
| S20 | 165 | 349/118.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/06 19:52 |
| S21 | 3 | ("5506706" "5568290" "6356325").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 13:46 |
| S22 | 165 | 349/118.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 13:46 |
| S23 | 25 | S22 and positive adj uniaxial | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 13:47 |
| S24 | 312 | miyachi.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 13:47 |
| S25 | 12 | S24 and uniaxial | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 13:47 |
| S26 | 6 | ("20030169391" "6281956" "6339460" "6359671" "6628359" "6642981").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 13:57 |
| S27 | 1 | "20040114080" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 13:58 |
| S28 | 0 | "200264481" | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/07/07 13:59 |
| S29 | 2 | "2002-64481" | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/07/07 13:59 |

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|-----|--------|--|--------------------------------------|----|----|------------------|
| S30 | 0 | miyachi.in. and "64481" | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2005/07/07 14:00 |
| S31 | 0 | "miyachi.in" | JPO | OR | ON | 2005/07/07 14:00 |
| S32 | 0 | "200264481" | JPO | OR | ON | 2005/07/07 14:00 |
| S33 | 0 | "2002-64481" | JPO | OR | ON | 2005/07/07 14:00 |
| S34 | 0 | "2002-064481" | JPO | OR | ON | 2005/07/07 14:00 |
| S35 | 0 | "064481" | JPO | OR | ON | 2005/07/07 14:00 |
| S36 | 0 | "0064481" | JPO | OR | ON | 2005/07/07 14:01 |
| S37 | 138741 | koichi.in. | JPO | OR | ON | 2005/07/07 14:01 |
| S38 | 87 | S37 and uniaxial | JPO | OR | ON | 2005/07/07 14:02 |
| S39 | 360 | miyajl.in. | US-PGPUB; USPAT | OR | ON | 2005/07/07 14:02 |
| S40 | 18 | S39 and liquid adj crystal | US-PGPUB; USPAT | OR | ON | 2005/07/07 14:05 |
| S41 | 10 | sharp.as. and positive adj uniaxial | US-PGPUB; USPAT | OR | ON | 2005/07/07 14:05 |
| S42 | 5 | ("5089906" "5093739" "5124824" "5138474" "5189538").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 14:12 |
| S43 | 59 | positive adj uniaxial and negative adj uniaxial and nx | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 14:12 |
| S44 | 9 | ("5568290" "5583679" "5646703" "5706068" "5718838" "5796378" "5805253" "5818559" "5818615").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 14:34 |
| S45 | 206 | positive adj uniaxial and negative adj uniaxial | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 14:35 |
| S46 | 114 | S45 and alignment | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 14:35 |
| S47 | 14 | ("5406396" "5587821" "5825445" "5859681" "5895106" "5923392" "5986732" "6292242" "6330108" "6433853" "6480251" "6667835" "6762811" "6771340").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 15:26 |
| S48 | 1 | "5138474".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 15:35 |

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|-----|-------|---|------------------------------|----|----|------------------|
| S49 | 2 | alignment adj layer adj "between" adj3 (retard\$) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 15:35 |
| S50 | 0 | alignment adj layer adj "between" adj3 (compensat\$) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 15:36 |
| S51 | 0 | alignment adj layer adj "between" adj3 (uniaxial) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 15:36 |
| S52 | 0 | alignment adj layer adj "between" adj3 film | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 15:46 |
| S53 | 383 | positive and negative adj uniaxial | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 15:47 |
| S54 | 206 | (positive and negative) adj uniaxial | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 15:47 |
| S55 | 41 | S54 and alignment adj layer | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 15:47 |
| S56 | 283 | 349/119-120.ccls. | US-PGPUB; USPAT | OR | ON | 2005/07/07 17:56 |
| S57 | 3 | ("5859681" "5923392" "6292242").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 17:14 |
| S58 | 11 | ("5557434" "5589963" "5594568" "5619352" "5737048" "5777709" "5907378" "6028651" "6169590" "6229588" "6359671").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/07 17:55 |
| S64 | 0 | uniaxial adj film with polyermizable with (chiral cholest\$) | US-PGPUB; USPAT | OR | ON | 2005/07/07 18:15 |
| S65 | 0 | uniaxial adj film with polymerizable with (chiral cholest\$) | US-PGPUB; USPAT | OR | ON | 2005/07/07 18:15 |
| S66 | 6 | uniaxial adj film with polymerizable | US-PGPUB; USPAT | OR | ON | 2005/07/07 18:15 |
| S67 | 21301 | polymeric adj film | US-PGPUB; USPAT | OR | ON | 2005/07/07 18:16 |
| S68 | 154 | polymeric adj film with liquid adj crystal | US-PGPUB; USPAT | OR | ON | 2005/07/07 18:16 |
| S69 | 78 | polymeric adj film with liquid adj crystal and (chiral cholest\$) | US-PGPUB; USPAT | OR | ON | 2005/07/07 18:18 |
| S70 | 340 | polymerizable adj liquid adj crystal | US-PGPUB; USPAT | OR | ON | 2005/07/07 18:18 |

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|-----|-----|---|--------------------|----|----|------------------|
| S71 | 257 | S70 and (chiral cholest\$) | US-PGPUB; USPAT | OR | ON | 2005/07/07 18:44 |
| S72 | 1 | 10/816469 | US-PGPUB; USPAT | OR | ON | 2005/07/07 18:46 |
| S73 | 5 | inverse adj chromatic adj dispersion | US-PGPUB; USPAT | OR | ON | 2005/07/07 18:57 |
| S74 | 4 | 10/318773 | US-PGPUB; USPAT | OR | ON | 2005/07/07 18:59 |
| S75 | 296 | ishikawa.in. and compensation | US-PGPUB; USPAT | OR | ON | 2005/07/07 19:00 |
| S76 | 39 | S75 and liquid adj crystal | US-PGPUB; USPAT | OR | ON | 2005/07/07 19:32 |
| S77 | 41 | 349/107.ccls. | US-PGPUB; USPAT | OR | ON | 2005/07/08 09:40 |
| S78 | 0 | 349/107.ccls. and 349/119-120.ccls. | US-PGPUB; USPAT | OR | ON | 2005/07/08 09:40 |
| S79 | 4 | 349/107.ccls. and 349/117-120.ccls. | US-PGPUB; USPAT | OR | ON | 2005/07/08 09:52 |
| S80 | 969 | 349/117-120.ccls. | US-PGPUB; USPAT | OR | ON | 2005/07/08 09:52 |
| S81 | 449 | S80 and color adj filter | US-PGPUB; USPAT | OR | ON | 2005/07/08 10:41 |
| S82 | 41 | 349/107.ccls. | US-PGPUB; USPAT | OR | ON | 2005/07/08 12:48 |
| S83 | 60 | uniaxial with cholest\$ | US-PGPUB; USPAT | OR | ON | 2005/07/08 12:50 |
| S84 | 119 | uniaxial with chiral | US-PGPUB; USPAT | OR | ON | 2005/07/08 13:25 |
| S85 | 333 | polymerizable with chiral and liquid adj crystal | US-PGPUB; USPAT | OR | ON | 2005/07/08 13:39 |
| S86 | 111 | chiral.ti. and "349"/\$.ccls. | US-PGPUB; USPAT | OR | ON | 2005/07/08 13:39 |
| S87 | 0 | (chiral adj dopant).ti. and "349"/\$. ccls. | US-PGPUB; USPAT | OR | ON | 2005/07/08 13:39 |
| S88 | 111 | (chiral).ti. and "349"/\$.ccls. | US-PGPUB; USPAT | OR | ON | 2005/07/08 13:41 |
| S89 | 1 | "6577364".pn. | US-PGPUB; USPAT | OR | ON | 2005/07/08 13:51 |
| S90 | 116 | negative adj uniaxial and 349/117-120.ccls. | US-PGPUB; USPAT | OR | ON | 2005/07/08 14:10 |
| S91 | 2 | "6577364" | US-PGPUB; USPAT | OR | ON | 2005/07/08 14:21 |
| S92 | 1 | 10/816469 | US-PGPUB; USPAT | OR | ON | 2005/07/08 16:44 |

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| S93 | 1 | 10/816469 | US-PGPUB; USPAT | OR | ON | 2005/07/08 14:27 |
| S94 | 5702 | polycarbonate adj film | US-PGPUB; USPAT | OR | ON | 2005/07/08 14:37 |
| S95 | 960 | S94 and liquid adj crystal | US-PGPUB; USPAT | OR | ON | 2005/07/08 14:38 |
| S96 | 14 | inverse adj chromatic | US-PGPUB; USPAT | OR | ON | 2005/07/08 14:46 |
| S97 | 0 | polycarbonate adj film and fluorine adj skeleton | US-PGPUB; USPAT | OR | ON | 2005/07/08 14:46 |
| S98 | 7 | polycarbonate adj film and fluorene adj skeleton | US-PGPUB; USPAT | OR | ON | 2005/07/08 14:47 |
| S99 | 6699 | aromatic adj polyester and polymer | US-PGPUB; USPAT | OR | ON | 2005/07/08 14:48 |
| S10 0 | 2443 | aromatic adj polyester and polymer and dispersion | US-PGPUB; USPAT | OR | ON | 2005/07/08 14:48 |
| S10 1 | 1 | aromatic adj polyester and polymer and chromatic adj dispersion | US-PGPUB; USPAT | OR | ON | 2005/07/08 14:48 |
| S10 2 | 942 | aromatic adj polyester with polymer and dispersion | US-PGPUB; USPAT | OR | ON | 2005/07/08 17:10 |
| S10 3 | 280 | S102 and liquid adj crystal | US-PGPUB; USPAT | OR | ON | 2005/07/08 14:49 |
| S10 4 | 360 | (wiring adj structure).ti. | US-PGPUB; USPAT | OR | ON | 2005/07/08 15:55 |
| S10 5 | 81 | cellulose adj acetate adj film and "349"/\$.ccls. | US-PGPUB; USPAT | OR | ON | 2005/07/08 16:44 |
| S10 6 | 4 | aromatic adj polyester with polycarbonate and fluorene adj skeleton | US-PGPUB; USPAT | OR | ON | 2005/07/08 18:23 |
| S10 7 | 68 | uchiyama.in. and retard\$ | US-PGPUB; USPAT | OR | ON | 2005/07/08 17:50 |
| S10 8 | 4 | aromatic adj polyester with polycarbonate and fluorene adj skeleton and dispersion | US-PGPUB; USPAT | OR | ON | 2005/07/08 18:33 |
| S10 9 | 1975 | aromatic adj polyester with polycarbonate | US-PGPUB; USPAT | OR | ON | 2005/07/08 19:15 |
| S11 0 | 83 | homeotropic adj orientation and dispersion | US-PGPUB; USPAT | OR | ON | 2005/07/08 19:15 |
| S11 1 | 83 | S110 and liquid adj crystal | US-PGPUB; USPAT | OR | ON | 2005/07/08 19:22 |
| S11 2 | 3 | polymerizable adj chiral adj nematic | US-PGPUB; USPAT | OR | ON | 2005/07/08 19:22 |
| S11 3 | 27 | polymerizable adj cholesteric | US-PGPUB; USPAT | OR | ON | 2005/07/08 19:22 |

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|----------|-----|--|--------------------|----|----|------------------|
| S11 4 | 17 | ("5863457").URPN. | USPAT | OR | ON | 2005/07/08 19:31 |
| S11 5 | 1 | ("6638582").URPN. | USPAT | OR | ON | 2005/07/08 19:35 |
| S11 6 | 1 | chiral adj nematic with retarder | USPAT | OR | ON | 2005/07/08 19:35 |
| S11 7 | 30 | "5477358" | USPAT | OR | ON | 2005/07/08 19:36 |
| S11 8 | 20 | polymerizable with chiral adj nematic | USPAT | OR | ON | 2005/07/08 19:36 |
| S11 9 | 17 | ("5863457").URPN. | USPAT | OR | ON | 2005/07/08 19:39 |
| S12 0 | 0 | 10/771445 | USPAT | OR | ON | 2005/07/08 19:39 |
| S12 1 | 1 | 10/771445 | US-PGPUB; USPAT | OR | ON | 2005/07/08 19:40 |
| S12 2 | 10 | uniaxial with chiral adj agent | US-PGPUB; USPAT | OR | ON | 2005/07/08 19:41 |
| S12 3 | 7 | uniaxial with chiral adj nematic | US-PGPUB; USPAT | OR | ON | 2005/07/08 19:42 |
| S12 4 | 16 | (retarder compensat\$) with chiral adj nematic | US-PGPUB; USPAT | OR | ON | 2005/07/08 19:43 |
| S12 5 | 57 | 349/117-120.ccls. and chiral adj nematic | US-PGPUB; USPAT | OR | ON | 2005/07/08 19:43 |
| S12 6 | 17 | miyachi.in. and uniaxial | US-PGPUB; USPAT | OR | ON | 2006/01/23 05:16 |
| S12 7 | 1 | 10/816469 | US-PGPUB; USPAT | OR | ON | 2006/09/28 09:38 |
| S12 8 | 1 | "6638582".pn. | US-PGPUB; USPAT | OR | ON | 2006/09/28 09:42 |
| S12 9 | 2 | "349"/\$.ccls. and inverse adj chromatic | US-PGPUB; USPAT | OR | ON | 2006/09/28 09:45 |
| S13 0 | 150 | "349"/\$.ccls. and a-plate and c-plate | US-PGPUB; USPAT | OR | ON | 2006/09/28 10:01 |
| S13 1 | 50 | "349"/\$.ccls. and chromatic adj dispersion | US-PGPUB; USPAT | OR | ON | 2007/01/18 17:16 |
| S13 2 | 0 | c-plate same polycarbonate same fluorene | US-PGPUB; USPAT | OR | ON | 2006/09/28 10:11 |
| S13 3 | 366 | polycarbonate same fluorene | US-PGPUB; USPAT | OR | ON | 2006/09/28 10:11 |
| S13 4 | 236 | S133 and (retard\$5 phase) | US-PGPUB; USPAT | OR | ON | 2006/09/28 12:34 |
| S13 5 | 10 | "349"/\$.ccls. and metal adj seal | US-PGPUB; USPAT | OR | ON | 2006/09/28 12:36 |

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|----------|------|-------------------------------------|--------------------|----|----|------------------|
| S13 6 | 1 | "6705584".pn. | US-PGPUB; USPAT | OR | ON | 2006/09/28 12:39 |
| S13 7 | 1 | "6104466".pn. | US-PGPUB; USPAT | OR | ON | 2006/09/28 12:41 |
| S13 8 | 1 | "20020030783" | US-PGPUB; USPAT | OR | ON | 2006/09/28 12:43 |
| S13 9 | 1 | "6705584".pn. | US-PGPUB; USPAT | OR | ON | 2006/09/28 12:57 |
| S14 0 | 4 | 10/371976 | US-PGPUB; USPAT | OR | ON | 2006/09/28 13:10 |
| S14 1 | 550 | 349/158.ccls. | US-PGPUB; USPAT | OR | ON | 2006/09/28 13:15 |
| S14 2 | 130 | "349"/\$.ccls. and seal with height | US-PGPUB; USPAT | OR | ON | 2006/09/28 13:36 |
| S14 3 | 12 | "349"/\$.ccls. and touchscreen | US-PGPUB; USPAT | OR | ON | 2006/09/28 13:37 |
| S14 4 | 132 | "349"/\$.ccls. and touch adj screen | US-PGPUB; USPAT | OR | ON | 2006/09/28 15:24 |
| S14 5 | 2253 | 315/169.3.ccls. | US-PGPUB; USPAT | OR | ON | 2006/09/28 15:34 |
| S14 6 | 1 | 10/844401 | US-PGPUB; USPAT | OR | ON | 2006/09/28 15:35 |
| S14 7 | 1 | 10/816469 | US-PGPUB; USPAT | OR | ON | 2007/01/18 17:18 |
| S14 8 | 1 | "6885421".pn. | US-PGPUB; USPAT | OR | ON | 2007/01/18 17:25 |
| S14 9 | 1 | "6638582".pn. | US-PGPUB; USPAT | OR | ON | 2007/01/18 17:32 |
| S15 0 | 1 | 10/879801 | US-PGPUB; USPAT | OR | ON | 2007/01/20 18:56 |
| S15 1 | 1 | "6567064".pn. | US-PGPUB; USPAT | OR | ON | 2007/01/20 19:25 |
| S15 2 | 1 | 10/879801 | US-PGPUB; USPAT | OR | ON | 2007/01/22 09:43 |